

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ATTORNEY'S DOCKET NUMBER

120736.00104

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

10/534020

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/JP2004/9024	25 June 2004	27 June 2003
TITLE OF INVENTION DUCT SYSTEM AND STORAGE APPARATUS		
APPLICANT(S) FOR DO/EO/US Shoichi YAMAGUCHI		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) [WO 2005/001349]
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. is attached hereto [28 pages of Specification, 10 claims and 10 sheets of formal drawings].
 - b. Has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An unexecuted oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.
18. A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)
20. Other items or information:

International Publication No. WO 2005/001349 and International Search Report;

Japanese Patent Application No. 2003-185428 (in Japanese);

Form PCT/ISA/237, Written Opinion of the ISA (in Japanese); and

Form PCT/IB/301, Notification of Receipt of Record Copy.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NO.																																																																																																																																																																															
1073634020		PCT/JP2004/9024		120736.00104																																																																																																																																																																															
<p>The following fees have been submitted</p> <table border="1"> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee.....</td> <td>\$300.00</td> <td colspan="2">CALCULATIONS</td> <td colspan="2">PTO USE ONLY</td> </tr> <tr> <td></td> <td>\$ 300.00</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$100.00</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>All other situations.....</td> <td>\$200.00</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100.00</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>International Search Report prepared and provided to the Office</td> <td>\$400.00</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>All other situations.....</td> <td>\$500.00</td> <td colspan="2">\$ 400.00</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">TOTAL OF 21, 22 and 23 =</td> <td colspan="2">\$ 900.00</td> <td colspan="2"></td> </tr> <tr> <td colspan="6"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. </td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td colspan="3">RATE</td> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td colspan="3">x \$250</td> </tr> <tr> <td colspan="6">Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).</td> </tr> <tr> <td colspan="2">CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td colspan="2">RATE</td> </tr> <tr> <td>Total Claims</td> <td>10</td> <td>- 20 =</td> <td></td> <td>x \$ 50</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>3</td> <td>- 3 =</td> <td></td> <td>x \$200</td> <td></td> </tr> <tr> <td colspan="6"> <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 </td> </tr> <tr> <td colspan="6"> TOTAL OF ABOVE CALCULATIONS = \$ 900.00 </td> </tr> <tr> <td colspan="6"> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. </td> </tr> <tr> <td colspan="6"> SUBTOTAL = \$ 900.00 </td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). +</td> </tr> <tr> <td colspan="6"> TOTAL NATIONAL FEE = \$ 900.00 </td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28,3.31). \$40.00 per property +</td> </tr> <tr> <td colspan="6"> TOTAL FEES ENCLOSED = \$ 900.00 </td> </tr> <tr> <td colspan="6"> <input type="checkbox"/> Amount to be refunded: <input type="checkbox"/> Amount to be charged: </td> </tr> <tr> <td colspan="6"> a. <input checked="" type="checkbox"/> A check is enclosed in the amount of \$900.00 to cover the application fee. b. <input type="checkbox"/> Please charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-2185. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the international application to pending status. </td> </tr> <tr> <td colspan="3">SEND ALL CORRESPONDENCE TO:</td> <td colspan="3">  Signature Name: Michael D. White Registration No. 32,795 Date: May 5, 2005 </td> </tr> <tr> <td colspan="6">CUSTOMER NO.: 27557 BLANK ROME LLP 600 New Hampshire Avenue, N.W. Washington, D.C. 20037 Tel: (202) 772-5800 Fax: (202) 572-8398</td> </tr> <tr> <td colspan="6">FORM PTO-1390 (REV. 02-2005)</td> </tr> </table>						21. <input checked="" type="checkbox"/> Basic national fee.....	\$300.00	CALCULATIONS		PTO USE ONLY			\$ 300.00					22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100.00					All other situations.....	\$200.00					23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100.00					International Search Report prepared and provided to the Office	\$400.00					All other situations.....	\$500.00	\$ 400.00				TOTAL OF 21, 22 and 23 =		\$ 900.00				<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE			- 100 =	/50 =		x \$250			Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).						CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE		Total Claims	10	- 20 =		x \$ 50		Independent Claims	3	- 3 =		x \$200		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360						TOTAL OF ABOVE CALCULATIONS = \$ 900.00						<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.						SUBTOTAL = \$ 900.00						Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). +						TOTAL NATIONAL FEE = \$ 900.00						Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28,3.31). \$40.00 per property +						TOTAL FEES ENCLOSED = \$ 900.00						<input type="checkbox"/> Amount to be refunded: <input type="checkbox"/> Amount to be charged:						a. <input checked="" type="checkbox"/> A check is enclosed in the amount of \$900.00 to cover the application fee. b. <input type="checkbox"/> Please charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-2185. A duplicate copy of this sheet is enclosed.						NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the international application to pending status.						SEND ALL CORRESPONDENCE TO:			 Signature Name: Michael D. White Registration No. 32,795 Date: May 5, 2005			CUSTOMER NO.: 27557 BLANK ROME LLP 600 New Hampshire Avenue, N.W. Washington, D.C. 20037 Tel: (202) 772-5800 Fax: (202) 572-8398						FORM PTO-1390 (REV. 02-2005)					
21. <input checked="" type="checkbox"/> Basic national fee.....	\$300.00	CALCULATIONS		PTO USE ONLY																																																																																																																																																																															
	\$ 300.00																																																																																																																																																																																		
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100.00																																																																																																																																																																																		
All other situations.....	\$200.00																																																																																																																																																																																		
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100.00																																																																																																																																																																																		
International Search Report prepared and provided to the Office	\$400.00																																																																																																																																																																																		
All other situations.....	\$500.00	\$ 400.00																																																																																																																																																																																	
TOTAL OF 21, 22 and 23 =		\$ 900.00																																																																																																																																																																																	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																																																																																																																																																			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																																																																																																																
- 100 =	/50 =		x \$250																																																																																																																																																																																
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).																																																																																																																																																																																			
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE																																																																																																																																																																															
Total Claims	10	- 20 =		x \$ 50																																																																																																																																																																															
Independent Claims	3	- 3 =		x \$200																																																																																																																																																																															
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360																																																																																																																																																																																			
TOTAL OF ABOVE CALCULATIONS = \$ 900.00																																																																																																																																																																																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.																																																																																																																																																																																			
SUBTOTAL = \$ 900.00																																																																																																																																																																																			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). +																																																																																																																																																																																			
TOTAL NATIONAL FEE = \$ 900.00																																																																																																																																																																																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28,3.31). \$40.00 per property +																																																																																																																																																																																			
TOTAL FEES ENCLOSED = \$ 900.00																																																																																																																																																																																			
<input type="checkbox"/> Amount to be refunded: <input type="checkbox"/> Amount to be charged:																																																																																																																																																																																			
a. <input checked="" type="checkbox"/> A check is enclosed in the amount of \$900.00 to cover the application fee. b. <input type="checkbox"/> Please charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-2185. A duplicate copy of this sheet is enclosed.																																																																																																																																																																																			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the international application to pending status.																																																																																																																																																																																			
SEND ALL CORRESPONDENCE TO:			 Signature Name: Michael D. White Registration No. 32,795 Date: May 5, 2005																																																																																																																																																																																
CUSTOMER NO.: 27557 BLANK ROME LLP 600 New Hampshire Avenue, N.W. Washington, D.C. 20037 Tel: (202) 772-5800 Fax: (202) 572-8398																																																																																																																																																																																			
FORM PTO-1390 (REV. 02-2005)																																																																																																																																																																																			

10/534020

JC20 Rec'd PCT/PTO 05 MAY 2005

PATENT

Attorney Docket No. 120736.00104

APPLICATION FOR UNITED STATES LETTERS PATENT

TITLE: DUCT SYSTEM AND STORAGE APPARATUS

INVENTORS: Shoichi YAMAGUCHI

ASSIGNEE: GAC CORPORATION
1000, Ohaza Toyoshina, Toyoshina-machi,
Minamiazumi-gun, Nagano 399-8286 JAPAN

BLANK ROME LLP
600 New Hampshire Avenue
Washington, D.C. 20037
(202) 772-5800
(202) 572-8398 (facsimile)

Docket No. 120736.00104